INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/008636

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ F04C18/32, F01C11/00, F04C23/00				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ F04C18/32, F01C11/00, F04C23/00, F04C18/02				
		at that such decompants are included in the	fields searched	
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005 Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005				
Electronic data b	ase consulted during the international search (name of d	ata base and, where practicable, search te	rms used)	
C. DOCUMEN	ITS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.	
Y	Microfilm of the specificatio	n and drawings	1-10	
	annexed to the request of Jap Model Application No. 182995/ No. 90584/1985) (Mitsubishi Heavy Industries, 21 June, 1985 (21.06.85),	1983 (Laid-open		
	Description; page 1, line 13 line 14; page 6, lines 9 to 1 (Family: none)		·	
Y	US 2003/0194340 A1 (Shimao N: 16 October, 2003 (16.10.03), Par. Nos. [0028], [0036], [00 Figs. 1, 7, 8 & WO 2003/087540 A1 & JP	•	1-10	
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Further documents are listed in the continuation of Box C. See patent family annex.				
* Special categories of cited documents: "T" later document published after the international filing date or date and not in conflict with the application but cited to understo be of particular relevance "A" later document published after the international filing date or date and not in conflict with the application but cited to understo be of particular relevance			ation but cited to understand	
"E" earlier application or patent but published on or after the international filing date		"X" document of particular relevance; the considered novel or cannot be consistep when the document is taken alone	dered to involve an inventive	
cited to esta	hich may throw doubts on priority claim(s) or which is iblish the publication date of another citation or other in (as specified)	"Y" document of particular relevance; the considered to involve an inventive	laimed invention cannot be step when the document is	
"O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed		combined with one or more other such being obvious to a person skilled in the "&" document member of the same patent	e art	
Date of the actual completion of the international search 04 August, 2005 (04.08.05)		Date of mailing of the international sea 23 August, 2005 (2)	ch report 3.08.05)	
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer	·	
Facsimile No.		Telephone No.		

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	JF20037 000030
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Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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JP 6-159278 A (Nippon Soken, Inc.), 07 June, 1994 (07.06.94), Par. No. [0033]; Fig. 2 & US 5399076 A	2
JP 59-41602 A (Daikin Industries, Ltd.), 07 March, 1984 (07.03.84), Page 3, lower left column, lines 1 to 16; Fig. 4 (Family: none)	3
JP 2-37192 A (Sanden Corp.), 07 February, 1990 (07.02.90), Page 3, upper right column, lines 5 to 18; lower left column, lines 18 to 19; page 4, upper left column, lines 6 to 9; Fig. 1 & EP 0342057 A2 & US 4990071 A	6,8 1-10
Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 27762/1986(Laid-open No. 138802/1987) (Mitsubishi Heavy Industries, Ltd.), 01 September, 1987 (01.09.87), Description; page 8, lines 1 to 5; Fig. 1 (Family: none)	6
JP 2000-104677 A (Toshiba Corp.), 11 April, 2000 (11.04.00), Par. Nos. [0031] to [0033]; Fig. 2 (Family: none)	10
JP 9-4575 A (Hitachi, Ltd.), 07 January, 1997 (07.01.97), Par. Nos. [0043], [0045]; Fig. 8 & US 5775893 A	7
Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 34566/1985(Laid-open No. 151090/1986) (Mitsubishi Heavy Industries, Ltd.), 18 September, 1986 (18.09.86), Description, page 4, lines 16 to 18; Figs. 1 to 2 (Family: none)	1-10
	Citation of document, with indication, where appropriate, of the relevant passages JP 8-128395 A (Hitachi, Ltd.), 21 May, 1996 (21.05.96), Par. No. [0037]; Fig. 5 (Family: none) JP 6-159278 A (Nippon Soken, Inc.), 07 June, 1994 (07.06.94), Par. No. [0033]; Fig. 2 & US 5399076 A JP 59-41602 A (Daikin Industries, Ltd.), 07 March, 1984 (07.03.84), Page 3, lower left column, lines 1 to 16; Fig. 4 (Family: none) JP 2-37192 A (Sanden Corp.), 07 February, 1990 (07.02.90), Page 3, upper right column, lines 5 to 18; lower left column, lines 18 to 19; page 4, upper left column, lines 18 to 19; page 4, upper left column, lines 6 to 9; Fig. 1 & EP 0342057 A2 & US 4990071 A Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 27762/1986(Laid-open No. 138802/1987) Description; page 8, lines 1 to 5; Fig. 1 (Family: none) JP 2000-104677 A (Toshiba Corp.), 11 April, 2000 (11.04.00), Par. Nos. [0031] to [0033]; Fig. 2 (Family: none) JP 9-4575 A (Hitachi, Ltd.), 07 January, 1997 (07.01.97), Par. Nos. [0043], [0045]; Fig. 8 & US 5775893 A Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 34566/1985(Laid-open No. 151090/1986) (Mitsubishi Heavy Industries, Ltd.), 18 September, 1986 (18.09.86)

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PCT/JP2005/008636

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C (Continuation	a). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 153491/1986(Laid-open No. 60091/1988) (Mitsubishi Heavy Industries, Ltd.), 21 April, 1988 (21.04.88), Description; page 8, line 13 to page 9, line 12; Figs. 1 to 5 (Family: none)	
А	JP 59-113289 A (Mitsuhiro TAMASAKI), 29 June, 1984 (29.06.84), Page 2, upper right column, line 2 to lower left column, line 8; Figs. 2 to 3 (Family: none)	10
A	WO 2002/088529 Al (Masakazu NAKANO), 07 November, 2002 (07.11.02), Page 18, lines 1 to 6; page 19, lines 5 to 13; Figs. 16, 19 (Family: none)	10
P,A	US 2005/0031465 Al (Nelik I. Dreiman), 10 February, 2005 (10.02.05), Par. No. [0024]; Figs. 3, 4 & JP 2005-54803 A & CA 2476741 Al	10
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